

```
NAME NUM CPX PRB  
4: f1(  
5: f1  
6: fmin(  
7: fmax(  
8: nDeriv(  
9: nInt(  
0: Solver...
```

NUM CPX PRB
 4: f(x)
 5: *f
 6: fMin(
 7: fMax(
 8: nDeriv(
 9: fnInt(
 0: Solver...

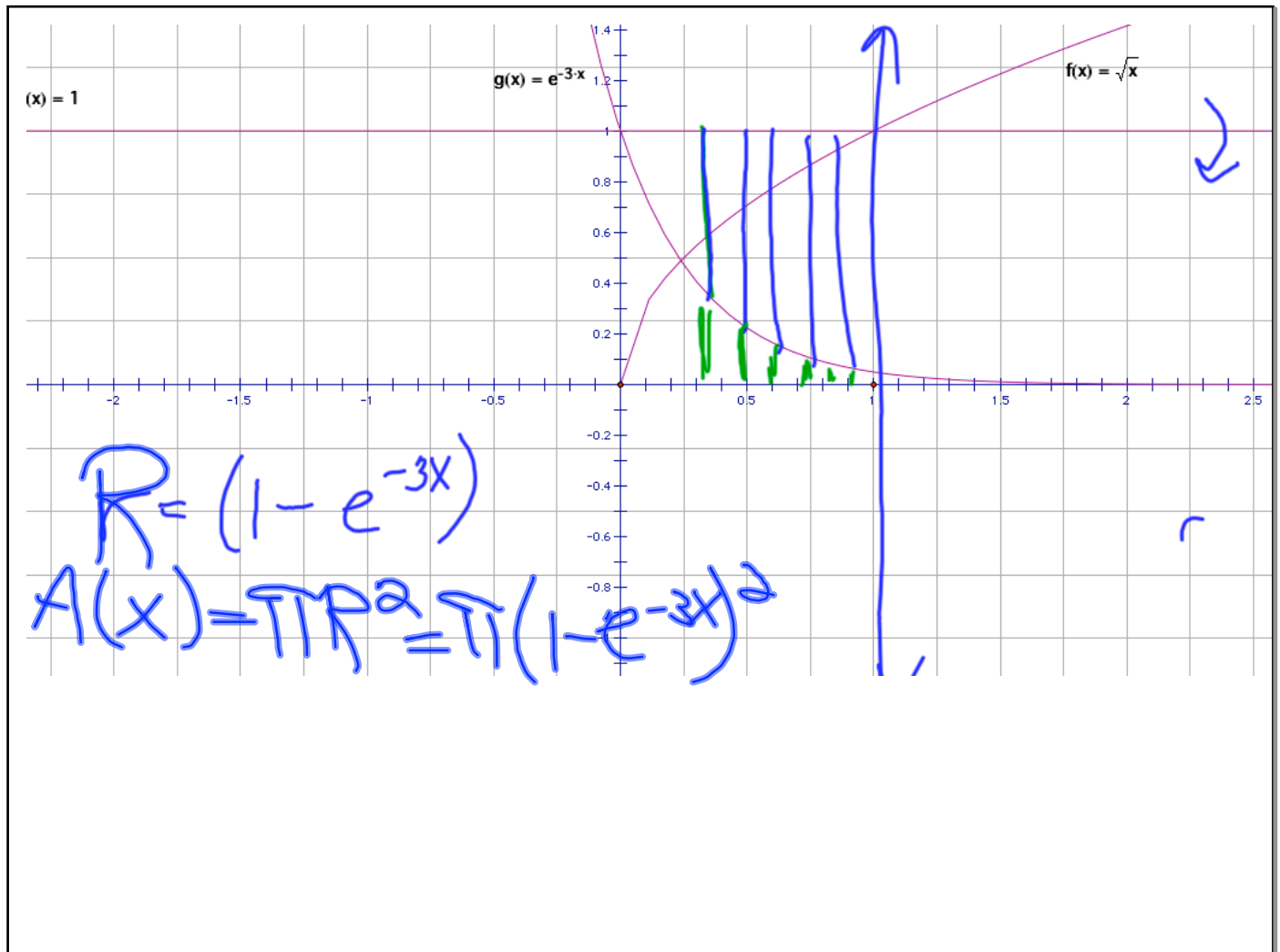


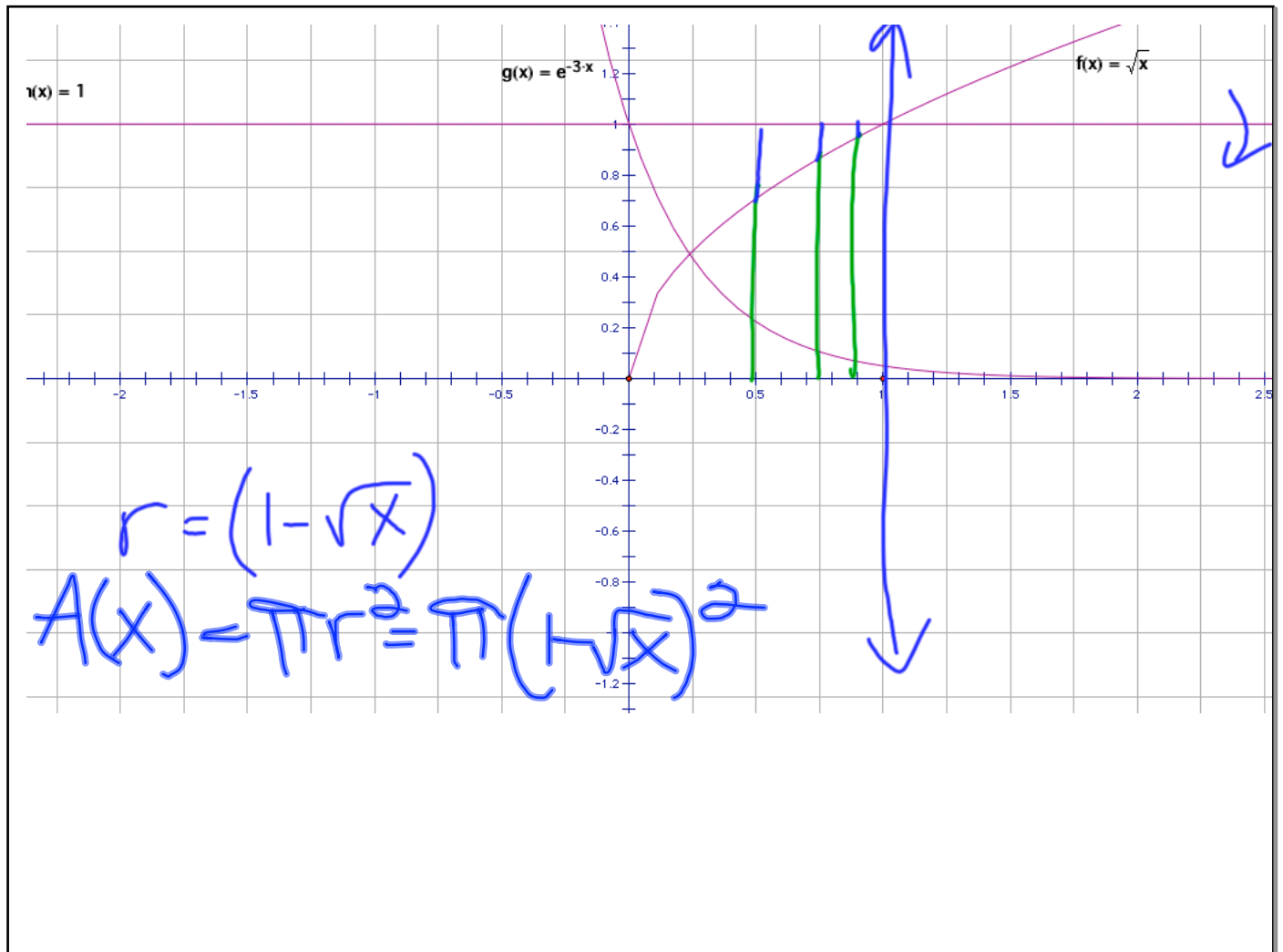
$$\int_0^{.23} \sqrt{x} dx + \int_{.23}^1 e^{-3x} dx$$

.3499292331
 fnInt(f(x)-e^(-3
 x),x,.23,1)
 .4425342497
 fnInt(f(x),x,0,.
 23)
 .0735366082

fnInt(e^(-3x),x,
 .23,1)
 .1505963336

.151+.074 .225
 .667-.225 .442





$$V = \int_0^1 \pi R^2 - \pi r^2 dx$$

$$V = \pi \int_0^1 \left[(1 - e^{-3x})^2 - (1 - \sqrt{x})^2 \right] dx$$

```

fnInt((1-e^(-3x))^2-(1-sqrt(x))^2,x,
23,1)
.453035133
Ans*pi
1.423251846

```

